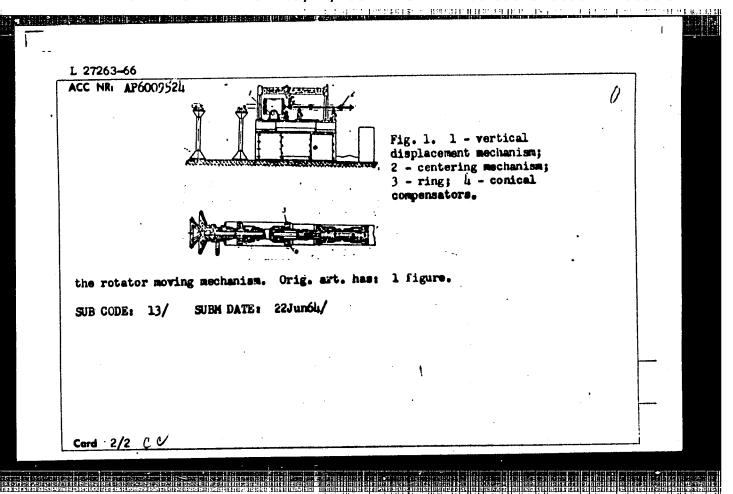
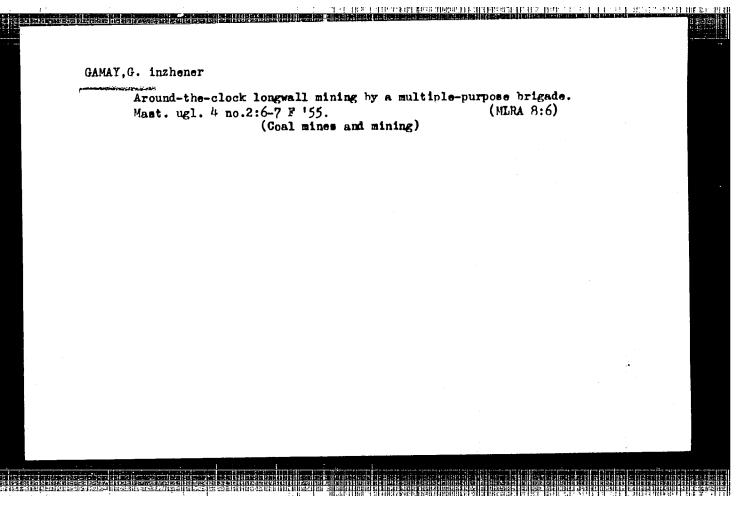
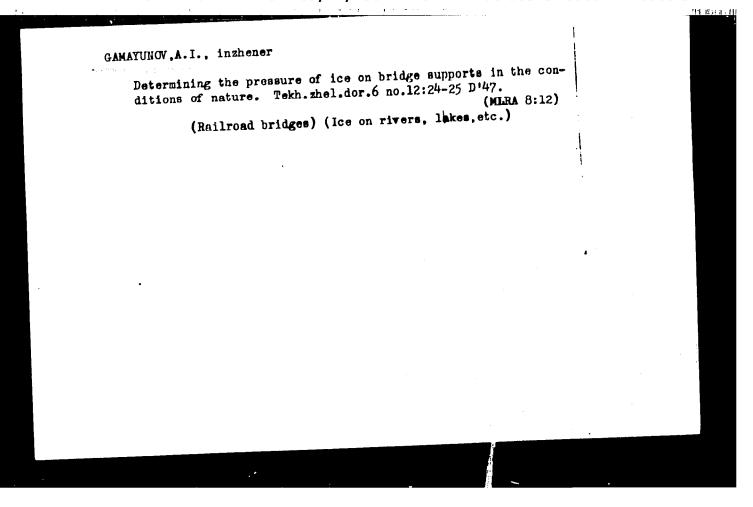
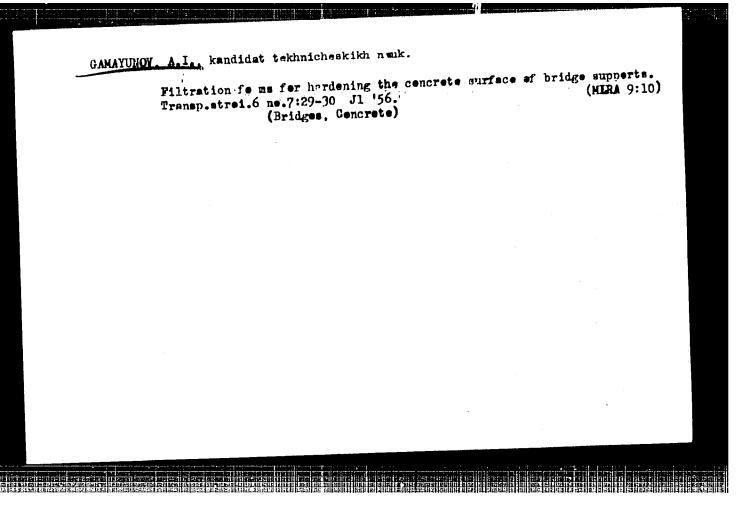
27263-66 EWP(k)/EWT(d)/EWT(m)/EWP(h) C NR: AP6009524	SOURCE CODE: UR/OL13/66/000/005/0048/0048
THORS: Kiselev, S. N.; Dedkov, L. K. osvirin, A. P.; Gamatudinov, B. I.	; Schetchikov, B. A.; Pichugin, V. S.;
G: none	
TLE: Automatic welder, Class 21, No.	179402
UKCE: Izobreteniya, p \mathcal{C} nyshlennyye ob	oraztsy, tovarnyye znaki, no. 5, 1966, 48
PIC TAGS: welder, butt welding, seam	welding
ectrode in a protective atmosphere for cludes an inlet port, ring-shaped rote chanisms for moving and correcting the ogrammed current switching, and remote riable diameter pipe and welding of flath a mechanism for displacement in the gle of 0105° with respect to the hor a fixture which is equipped with grip	ents an automatic welder, using a nonmelting ring and seam pipe welding. The welder ator, welding head, system of roller supports, welding head, electrode wire supplies, control equipment. To permit welding of langes and rings, the rotator is equipped evertical plane, allowing a rotator body risontal. The centering mechanism consists and shirming rings and a conical screw-
iven compensator (see Fig. 1). A seco	end feature has two perpendicular worms as

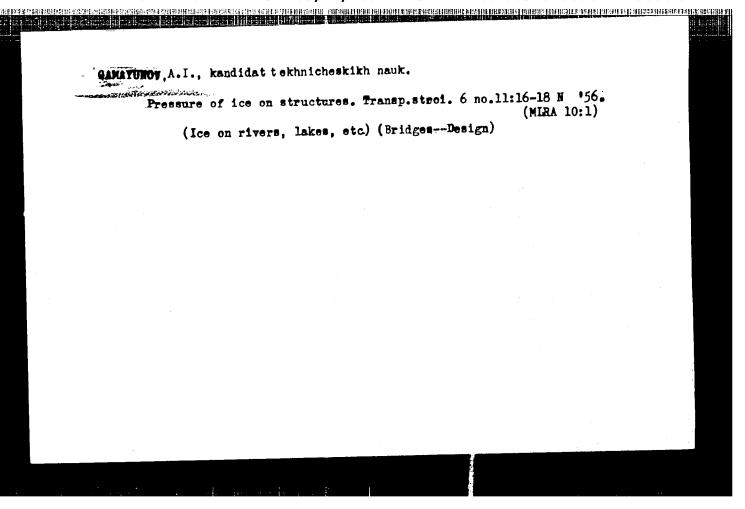




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GAMAYUNOV, A. I.			سد السم	الاستفادة والمستعدد والمستعدد والمستعدد	PA			
8		islands for measuring the pressure supports. Experiments were conductable, which spans the Dnepr River	USER/Engineering	The question was first studied serious. 1926 during the construction of the Vo. electric Station, but in spite of much the subject of ice pressure against brain information available is still not and much further research is required. shows diagrams of apparatus installed	Tekh Zheleznykh Dorog"	ports," A.	UEER/Engineering I'ce Bridges - F	
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· · · · · · · · · · · · · · · · · · ·		for measuring to. Experiments which spans the	F	question was first studied seriously in during the construction of the Volkhov tric Station, but in spite of much rese, subject of ice pressure against bridge sinformation available is still not satimuch further research is required. The was diagrams of apparatus installed on st	G.	the Pressure I. Gemayunov,	L E	
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		ne pressure of : were conducted of Dnepr River at		t studied serious ruction of the Vo. in spite of much sesure against brable is still not arch is required. aratus installed of the series of t		ad d	ω.	
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KHLEBNIKOV, Ye.L. professor; ANDREYNV, O.V., kandidat ekhnicheskikh nauk; BEGAM, L.G., kandidat tekhnicheskikh nauk; GAMAYUNOV, A.I., kandidat tekhnicheskikh nauk; GAMAYUNOV, A.I., kandidat tekhnicheskikh nauk; DUCHINSKIY, B.J., kandidat tekhnicheskikh nauk KAZEY, I.I., kandidat tekhnicheskikh nauk; LUGA, A.A., kandidat tekhnicheskikh nauk EYALIN,N.B., kandidat tekhnicheskikh nauk; LUGA, A.A., kandidat tekhnicheskikh nauk EYALIN,N.B., kandidat tekhnicheskikh nauk; POL'YEVKO, V.P., kandidat tekhnicheskikh nauk; PROKOPOVICH, X.G., kandidat tekhnicheskikh nauk; STRELETSKIY, N.N., kandidat tekhnicheskikh nauk; KHROMETS, Yu.N., kandidat tekhnicheskikh nauk; SHELESTER O.L.P., kandidat tekhnicheskikh nauk; SHELESTER O.L.P., kandidat tekhnicheskikh nauk; SHELESTER O.L.P., kandidat tekhnicheskikh nauk; ZELEVICH, P.M., inzhener; CHEGO-DAYEV, N.N.; BOEROVA, Ye.N., tekhnicheskiy redaktor.

[Technical specifications for designing bridges and pipes for railroads of a normal gauge (TUPM-56). Effective July-1: 1957 by erabreof Ministry of Means of Communication and the Ministry of Transportation Construction. September 15, 1956] Tekhnicheskie sloviia proektirovaniia mostov i trub na zheleznykh dorogakh normal'ne i kolei (TUPM-56). Wedeny v kachestwe vremennykh s l iiulia 1957 g. prilazom Ministerstva putei soobshcheniia i Ministerstva transportnogo stroitel'stva of 15 sentiabria 1956 g. No.250/TsZ/213. Moskva, Gos. transp.zhel-dor.izd-vo. 1957. 221 p. (MINA 10:5)

1. Russia (1923- U.S.S.R.). Ministerstvo pricy soobshcheniya. (Railred bridges--Design)

14(10)

sov/98-59-6-11/20

AUTHOR:

Gamayunov, A.I., Candidate of fechnical Sciences

TITLE:

Ice Pressure on Inclined Walls

PERIODICAL:

Gidrotekhnicheskoye stroitel's wo, 1959, Nr 6,

pp 42-43 (USSR)

ABSTRACT:

The author gives a formula for calculating the ice

pressure on inclined walls.

 $M_{X} = \frac{q}{\lambda} e^{-\lambda x} \sin \lambda x.$

The formula is derived from the formula elaborated by the author for determining he pressure of ice on the inclined ice-breaking eige of a railway bridge pillar. It was published in "dransportnoye stroitel'stvo" Nr 4 (1955). These formulas have also been

published in the Tekhnicheskiy usloviya proyektirovaniya mostov i trub na zheleznykh dorogakh normal'noy kolei (TUPM-56) (Speci icationsfor Planning

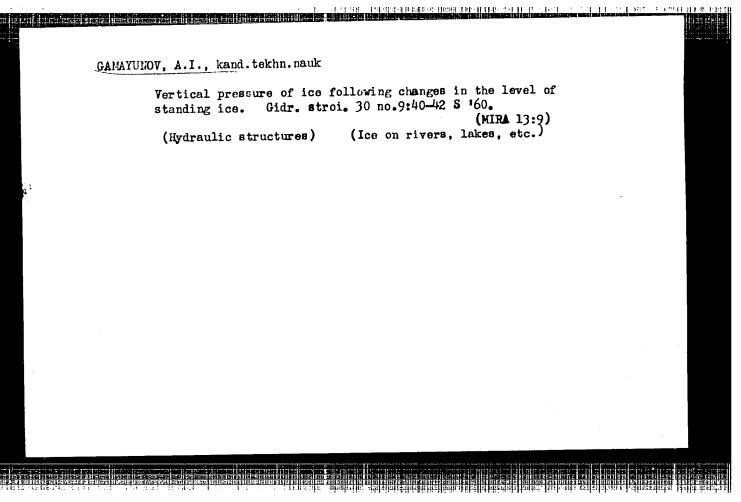
Card 1/2

SOV/98--59-6--11/20

Ice Pressure on Inclined Walls

Bridges and Culverts on Standard Gage Railways - TUPM-56). There are 2 diagrams and 2 tables.

Card 2/2



GAMAYUNOV, Matvey Vasil'yevich, kand.ekon.nsuk; FALALEYEVA, T.F., red.;

GREIF, W.I., tekhn.red.

[The triumph of Lenin's cooperative plan in the U.S.S.R.] Poheda

Leninskogo kooperativnogo plans v SSSR. Moskva, Izd-vo "Znanie,"

1957. 36 p. (Vsesoiusnos obshchestvo po resprostreneniiu politicheakikh i nauchnykh snanii. Ser.3, no.38)

(Gollective farms)

(Gollective farms)

BONDAREVA, I.I., dots., prepodavatel; GAMAYUNOV, M.V., dots., kand. nauk, prepodavatel; GOL'DMAN, R.Ya., kand. nauk, prepodavatel; ZHEIUDKOV, A.P., kand. nauk, prepodavatel; KALININA, V.N., kand. nauk, prepodavatel; LIFAR, G.G., prepodavatel; MART'YANOVA, L.P., kand. nauk, prepodavatel; NEZNANOV, S.V., dots., kand. nauk, prepodavatel; SAIAY, I.G., dots., kand. nauk, prepodavatel; SASKOVETS, Ye.L., dots., kand. nauk, prepodavatel; ZENIN, V., red.; DANILINA, A., tekhn. red.

[The party is the organizer of the collective farm system] Partiia - organizator kolkhoznogo stroia. Moskva, Gos. izd-vo polit. lit-ry, 1958. 190 p. (MIRA 11:8)

1. Kafedra marksizma-leninizma Moskovskoy ordena Lenina sel'skokhozyaystvennoy akademii imeni K.A. Timiryazeva (for all except Zenin, Danilina).

(Collective farms)

SOV-3-58-9-11/36

AUTHOR:

Gamayunov, M.V., Docent, Moscow Agricultural Academy imeni

K.A. Timiryazev

TITLE:

Studying the History of the Collectivization of Agriculture

(Izucheniye istorii kollektivizatsii sel'skogo khozyaystva)

PERIODICAL:

Vestnik vysshey shkoly, 1958, Nr 9, pp 47-50 (USSR)

ABSTRACT:

In May 1958, an Intervuz Scientific Conference, organized by the USSR Ministry of Higher Education, took place at Rostov University. The conference theme was: "The World-Wide Historical Significance of the KPSS Experiences in Collectivization of Agriculture". It was attended by over 300 instructors of higher educational institutions from Moscow, Leningrad, Rostov, Chelyabinsk, Sverdlovsk, and representatives from Kazakhstan, Latvia, Lithuania, Estonia and other republics. Instructors probably experienced the greatest difficulty in elucidating the question of how the Party worked out its tactical line in respect to the Kulaks, in particular, how the policy of liquidating the Kulaks as a class was carried out. This was dealt with in the report Docent P.V. Semernin, Head of the Chair for KPSS History, Rostov University. A decisive stage was during the activity

Card 1/3

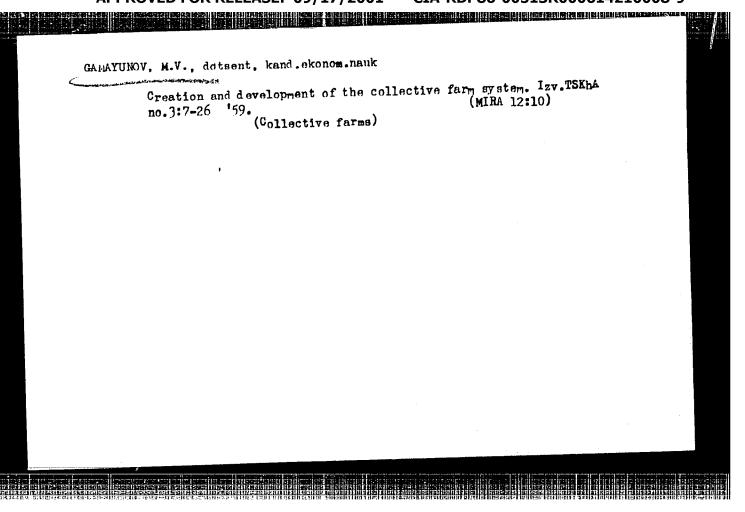
SOV-3-58-9-11/36

Studying the History of the Collectivization of Agriculture

of a commission for the all-round collectivization established in December 1929. The commission came to the conclusion that the liquidation of the Kulaks as a class was historically unavoidable. Candidate of Historical Sciences Liu Yun-an' (Institute of Sinology, USSR AS) reported on the organizing of farms into cooperatives. Dogent n. I. Kovrov (Rostov-Don) dealt with the economical and political presuppositions of all-round collectivization while Professor of the Academy of Social Sciences attached to the Tsk KPSS, A.V. Bolgov, spoke on the new stage in the development of the kolkhoz regime. Candidate of Historical Sciences M.N. Gioyev, instructor at the North Csetin Pedagogical Institute, informed the audience on the experience in collectivization of agriculture in the North-Castin ASSR. D.D. Angel'yev, Director of the Sovkhoz "Gigant", Rostov Oblast', and G.I. Romanenko, Secretary of the Taganrog village raykom KPSS also gave reports. The general opinion of the conference participants was that similar conferences should be convened periodically. This opinion was supported by S.A. Yudachev, USSR Deputy Minister of Higher Education.

Card 2/3

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		SOV-3-58-9-11/36	
	Studying the H	istory of the Collectivization of Agriculture Moskovskaya sel'skokhozyaystvennaya akademiya imeni K.A. Timiryazeva (Moscow Agricultural Academy imeni K.A. Timiryazeva)	
	Card 3/3		



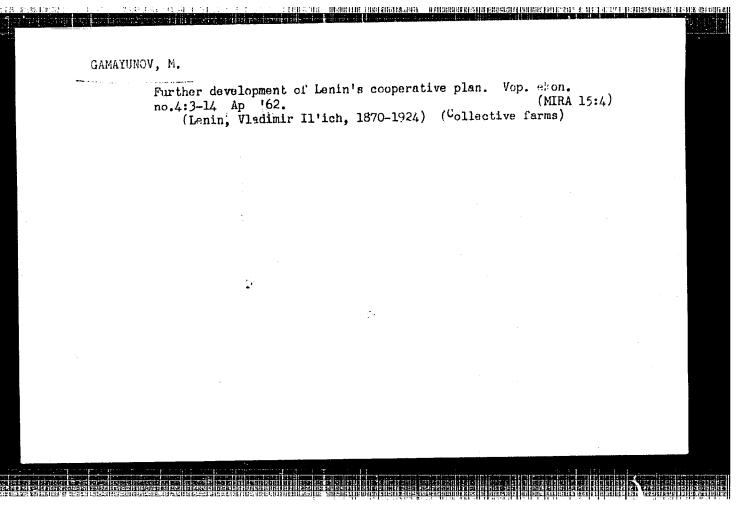
GAMAYUNOV, Matvey Vasil'yevich; LEONOVA, T.S., red.; SAVQHENKO, Ye.V., tekhn.red.

[Merging of the two forms of socialist property] Sblizhenie dvukh form sotsialisticheskoi sobstvennosti. Moskva, Izd-vo dvukh form sotsialisticheskoi sobstvennosti. Moskva, Izd-vo dvukh form sotsialisticheskoi sobstvennosti. Moskva, Izd-vo dvukh form sotsialisticheskoi sobstvennosti. Ser.5, Sel'skoe neniiu politicheskikh i neuchnykh znanii. Ser.5, Sel'skoe khoziaistvo, nc.7)

(MIRA 14:5)

(Socialist property) (Collective farms)

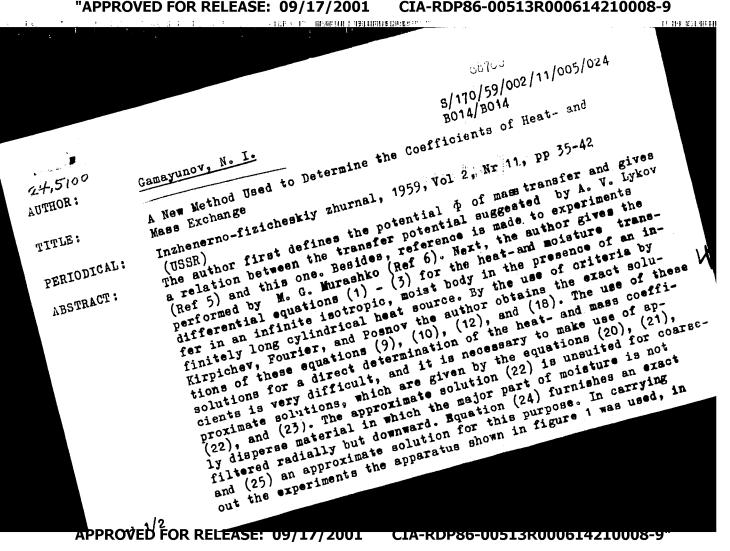
	MAYUNOV, M.V., kand.ekonomicheskikh nauk, dotsent
	Improving the socialistic productional relations in rural areas during the large-scale building of communism. Izv. TSKhA no.4:7-17 (MIKA 14:9) (Communism) (RussiaEconomic conditions)
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GAMANYUNOV, Matvey Vasil'yevich; ZAVERNYAYEVA, L.V., red.; PONOMAREVA, A.A., tekhn. red.

[Development of agriculture and social relations in a village]
Razvitie sel'skogo khoziaistva i obshchestvennykh otnoshenii v
derevne. Moskva, Ekonomizdat, 1962. 161 p. (MIRA 15:12)
(Agricultural policy) (Russia—Rural conditions)

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68760

A New Method Used to Determine the Coefficients of Heats/170/59/002/11/005/024

which a moisture potentiometer designed by S. S. Korchunov at the VNIITP was used to determine the potential. It consists of a porous ceramic transmitter and a differential pressure gauge calibrated in cm water column. The following experimental arrangement was applied: The heater probe was introduced into the material to be tested, and the ceramic transmitter and a semiconductor resistance thermometer were set up 40 - 50 mm distant from each other.on a circular line. After switching on the current for the heater probe, the moisture potential and temperature were measured in regular intervals (Fig 2). By means of the resulting diagram it is possible to determine all heat- and moisture coefficients from the previously derived equation in the course of a single experiment. The results of investigations performed on two different types of peat (pretreated and not pretreated) are diagrammatically represented in figures 2 and 3. There are 3 figures and 11 references, 8 of which are Soviet.

ASSOCIATION:

Torfyanoy institut, g. Moskva (Peat Institute, City of Moscow)

Card 2/2

CIA-RDP86-00513R000614210008-9 "APPROVED FOR RELEASE: 09/17/2001

SOV/69-21-3-2/25

Volarovich, M.P., Gamayunov, N.I., Starikova, Z.A., 5(4) AUTHORS:

Churayev, N.V.

A Study of the Aquatic Properties and the Structure of Peat With the Aid of Radioactive Isotopes - 2. Changes TITLE:

in the Aquatic and Structural Properties of Peat, when

Dispersed or Pressed

Kolloidnyy zhurnal, 1959, Vol XXI, Nr 3, pp 257-262 PERIODICAL:

(USSR)

The authors describe an experiment carried out with ABSTRACT:

the aid of a radiotracer (Na_2SO_4 with isotope S^{35}) to

determine the change in the aquatic properties and the structure of samples of dispersed and compressed peat

of different processing stages. The used methods ellowed measuring of the total water content of the samples, i.e. the measurings included the water within the cellular cavities of the plant residues, which

constitute a considerable part of the peat. It was

Card 1/3

sov/69-21-3-2/25

A Study of the Aquatic Properties and the Structure of Feat With the Aid of Radioactive Isotopes - 2 Change in the Aquatic and Structural Properties of Peat, when Dispersed or Pressed

observed that dispersing and compressing of the samples resulted in a diminution of their water content, due to the partial liberation of intracellular water and its passing into the free liquid. This was accompanied by destruction and deformation of the plant residues, which in its turn caused an increase in the active porosity of the peat, particularly in its disperse phase. It was further observed, that during dispersion and compression the kinetic specific surface of the peat considerably increases, whereas the diameter of the pores which determine the internal water transport, is reduced. The pressure needed to make a great part of intercellular liquid pass into free water does not exceed 1 kg/cm2. It results therefrom, that this kind of water linkage in peat is energetically very weak. The methods developed by the authors permit their being used also for technological processes, which are con-

Card 2/3

SOV/69-21-3-2/25

(4)

A Study of the Aquatic Properties and the Structure of Peat With the Aid of Radioactive Isotopes-2. Change in the Aquatic and Structural Properties of Peat, when Dispersed or Pressed

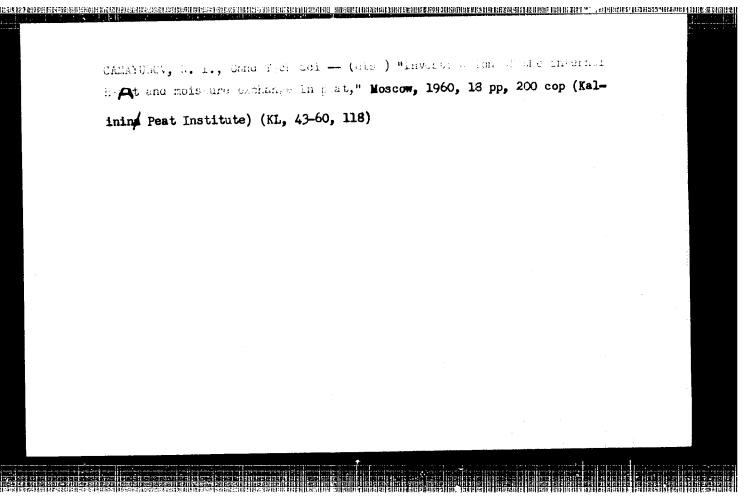
nected with the change in aquatic properties and the structure of peat. The following Soviet scientists (all covered by references) are mentioned in the article: A.A. Berezin, I.D. Belovidov, I.M. Litvinov and M.G. Bulynko. There are 3 graphs, 2 tables and 17 Soviet references.

ASSOCIATION: Moskovskiy torfyanoy institut, Kafedra fiziki

(Moscow Peat Institute, Chair of Physics)

SUBMITTED: 19 June 1958

Card 3/3



80282 \$/170/60/003/04/02/027 B007/B102

5.1230

AUTHOR:

Gamayunov, N.I.

TITLE:

Investigation of the Transfer of Heat and Moisture in a Limited Bar

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1960, Vol. 3, No. 4, pp. 11-17

TEXT: The heat and moisture transfer in samples of a moist dispersed material in the shape of a limited, heat—and moisture—insulated bar is expressed by a system of differential equations (Refs. 1,2): Formulas (1), (2) and (3). The bar is constantly heated on the front face and cooled by air convection. On the other front face it contacts a non-hygroscopic half-limited standard. The exact solutions of the formulas (1) and (3) are obtained: Formulas (15) and (26). On this occasion, the criteria of Kirpichev, Posnov and Lykov are used. Approximation formulas (27) and (28) are obtained for a longer duration of the experiment. These formulas show that in the case of sufficiently long experiments the temperature distribution along the bar is represented by a straight line and the moisture by a second-order curve. The maximum of the latter may be determined from formula (29). The experiments were carried out in the device shown in

Card 1/3

Investigation of the Transfer of Heat and Moisture in a Limited Bar

80282 s/170/60/003/04/02/027 B007/B102

Fig. 1. A similar system has already earlier been suggested by N.N. Bab'yev (Ref. 6). Dispersed lowland peat was used in the experiments. This peat was mixed into a solution of radioactive Na₂S^{*}O₄ salt which is not adsorbed by the solid peat phase (Ref. 7). Fig. 2 shows the curves of the distribution of moisture and of the relative activity for the peat samples at various initial moisture. The activity curves show that transfer of moisture in a closed moisture-insulated sample is a complicated process. The experiments proved that a moisture circulation acts in a moisture-insulated sample. An attempt is made to explain this process. The present experiments and those made by other authors with samples of various length and at various heating periods are indicative of the fact that transfer of moisture in form of steam plays an essential part in heat transfer (particularly in samples of low moisture). This has been observed in all experiments within the temperature range of 30-60° C. The experiments confirmed the presence of moisture currents (connected with the temperature gradient) towards the "cold" as well as towards the "hot" front face of the sample. The supposition of the papers mentioned in Refs. 6 and 8 concerning linearity of moisture distribution along the sample in the quasi-steady state did not prove true in the experiments made here. The formulas given in the paper (Formula 6) cannot (as is shown by analytical and experimental investigations)

Card 2/3

CIA-RDP86-00513R000614210008-9" **APPROVED FOR RELEASE: 09/17/2001**

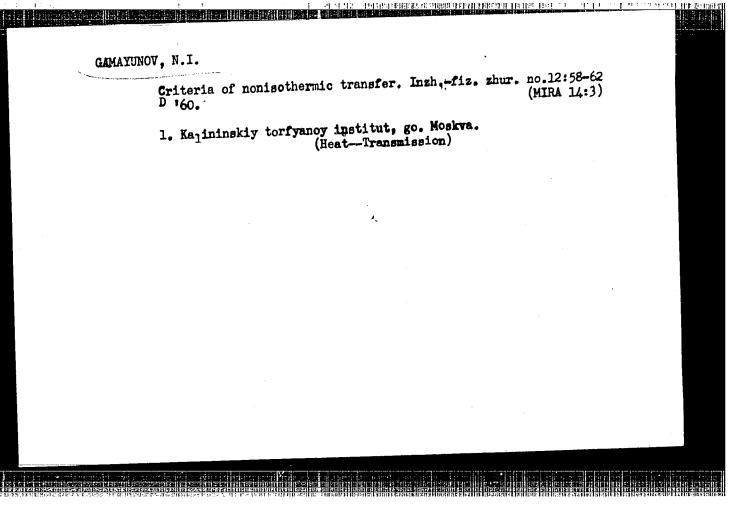
Investigation of the Transfer of Heat and Moisture in a Limited Bar

80282 \$/170/60/003/04/02/027 B007/B102

be used as a base for calculating the coefficients of heat and moisture transfer. The work described was performed under the supervision of M.P. Volarovich and N.V. Churayev. There are 4 figures, 1 table, and 9 Soviet references.

ASSOCIATION: Kalininskiy torfyanoy institut, g. Moskva (Kalinin Peat Institute, City of Moscow)

Card 3/3



VOLAROVICH, M.P.; GAMAYUNOV, N.I.; CHURAYEV, N.V.

Study of thermomoisture conductivity in peat. Koll. zhur. 22
no. 5:535-542 S-0 '60. (MIRA 13:10)

1. Kalininskiy torfyanoy institut. (Peat)

GAMAYUNOV, N. I., VOLAROVICH, M. P., and CHURAYEV, N. V.

"Investigation of Heat and Mass Transfer in Peat by Radioactive Indicators."

Report submitted for the Conference on Heat and Mass Transfer, Minsk, BSSR, June 1961.

GAMAYUNOV, N. I.

"New Method of Complex Determination of Heat and Mass Transfer Coefficient and the Criterium of Phase Conversions."

Report submitted for the Conference on Heat and Mass Transfer, Minsk, BSSR, June 1961.

BROMBERG, Viktor Aleksandrovich; GAMAYUNOV, Nikolay Iyanovich; ZVORYKIN, Aleksey Dmitriyevich; KUDRYAVTSEV, Vitaliy Vasil'yevich; TEVEROVSKIY, Yevgeniy Ivanovich; EPSHTEYN, Lev Abramovich; SHIROKOVA, M.M., tekhn. red.

[Mechanization of the manufacture of electrical insulating materials of winding insulation, and drying as well as saturating operations] Mekhanizatsiia proizvodstva elektro-izoliatsionnykh materialov, izoliatsionno-obmotochnykh i sushil'no-propitochnykh rabot. By V.A.Bromberg i dr. Moskva, Gos. energ.izd-vo, 1961. 99 p. (MIRA 15:2) (Electric insulators and insulation)

23754

S/170/61/004/006/010/015 B129/B212

10.9020

AUTHORS: Churayev, N. V., Gamayunov, N. I.

TITLE: Study of the str

Study of the structure of porous media by radioactive in-

dicators

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, v. 4, no. 6, 1961, 106-111

TEXT: Exact and approximate solutions of the differential equations for convective diffusion, which describe the filtration of pure water through pores, are obtained by the authors. A radioactive indicator is added to the water. The theoretical results are compared with the experimental ones. For the study of moisture transfer in disperse materials it is very important to obtain their structural characteristics. It has been suggested to picture the motion of the liquid in porous materials like the process of convective diffusion. The structure of the materials is characterized by the size of the convective diffusion coefficients; it is assumed that diffusion takes place because of the difference in dimensions and the arrangement of the pores. The experimental analysis of convective

Card 1/3

23754

Study of the structure of ...

B/170/61/004/006/010/015 B129/B212

diffusion in porous materials can be done with radioactive indicators. The water is filtrated through the test material under constant pressure. A radioactive indicator solution (Na $_2$ SO $_4$ with S $_2$ 5, NaI with I $_2$ 5 etc) is

poured on top of the water. Single small samples are taken from the filtrate. The concentration of the indicator is determined by radiometric methods. Exact approximate solutions of the differential equation for the convective diffusion are obtained. Experiments with the filtration of a solution of a radioactive indicator show that only for isotropic materials the experimental data will agree with the theoretical ones. The structure of isotropic materials (for example, sand with a grain size of 0.1-0.25 mm) can be characterized by the convective diffusion coefficient and the average dimensions of the pores. The size distribution of the pores corresponds to the Gaussian distribution. For non-isotropic materials (e.g. peat) the equation of convective diffusion is not applicable since the size distribution of the pores is not Gaussian. There are 2 figures and 7 references: 6 Soviet-bloc and 1 non-Soviet-bloc.

Card 2/3

23754

S/170/61/004/006/010/015 B129/B212

Study of the structure of...

ASSOCIATION: Kalininskiy torfyanoy institut, Moskva (Kalinin Peat

Institute of Moscow)

SUBMITTED: August 5, 1960

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Card 3/3

Determining the water permeability of soils in field conditions. Inch.-fiz. zhur. 4 no.10:71-77 0 '61. (NEA 14:10)

 Torfyanoy institut, Kalinin. (Soil porcelation)

NEKHAY, Stepan Matveyevich; NOVAK, Vadim Mikhaylovich; KHABAROV, Valentin Ivanovich; GAMAYUNOV, N.I., red.; LARIONOV, G.Ye., tekhn. red.

[Pressing machines used in the manufacture of electrical insulating materials]Pressy dlia proizvodstva elektroizo-liatsionrykh materialov. Moskva, Gosenergoizdat, 1962. 94 p. (MIRA 15:9)

(Electric insulators and insulation)
(Electric equipment industry—Equipment and supplies)
(Power presses)

(2)

33h74 \$/170/62/005/002/006/009 B104/B138

24.5200

AUTHOR:

Gamayunov, N. I.

TITLE:

Some problems of heat and mass transfer

PERIODICAL:

Inzhenerno-f'zicheskiy zhurnal, v. 5, no. 2, 1962, 79 - 89

TEXT: The system

$$\frac{\partial t(\zeta, \tau)}{\partial \tau} = a \nabla^2 t(\zeta, \tau) + \frac{\varepsilon \rho c_m}{c} \frac{\partial \theta(\zeta, \tau)}{\partial \tau},$$

$$\frac{\partial \theta(\zeta, \tau)}{\partial \tau} = a_m \nabla^2 \theta(\zeta, \tau) + a_m \delta \nabla^2 t(\zeta, \tau)^*,$$
(1)

where $\nabla^2 = \frac{\partial}{\partial \zeta} + \frac{m-1}{\zeta} \frac{\partial}{\partial \zeta}$.

for internal heat and mass is solved with boundary conditions of the second kind:

Card 1/8

33474

S/170/62/005/002/006/009 B104/B138

Some problems of heat ...

 $-\lambda \frac{\partial t(R,\tau)}{\partial \zeta} + q(\tau) - (1-\epsilon)\rho q_m(\tau) = 0.$ (3)

 $\lambda_{m} \frac{\partial \theta(R, \tau)}{\partial \zeta} + \lambda_{m} \delta \frac{\partial t(R, \tau)}{\partial \zeta} + q_{m}(\tau) = 0, \tag{4}$

 $\frac{\partial t(0,\tau)}{\partial \zeta} = \frac{\partial \theta(0,\tau)}{\partial \zeta} = 0. \tag{5}$

 $t(0, \tau) < \infty, \ \theta(0, \tau) < \infty,$

 $t(\zeta, 0) = f_1(\zeta), \ \theta(\zeta, 0) = f_2(\zeta),$

where ζ is Soret's coefficient of a wet body, q(r) and $q_m(r)$ are arbitrary boundary functions of heat and liquid flows, which satisfy Dirichlet's conditions; $\zeta = x$, m = 1 for plates, $\zeta = r$, m = 2 for cylinders, and $\zeta = r$, m = 3 for spheres. Eqs. (1) - (2) and the boundary conditions are transformed with the aid of the substitutions t = u + v, $\theta = K + \theta$ and solved by using Fourier or Hankel transformations: Card 2/8

33474 Some problems of heat ... S/170/62/005/002/006/009 B104/B138

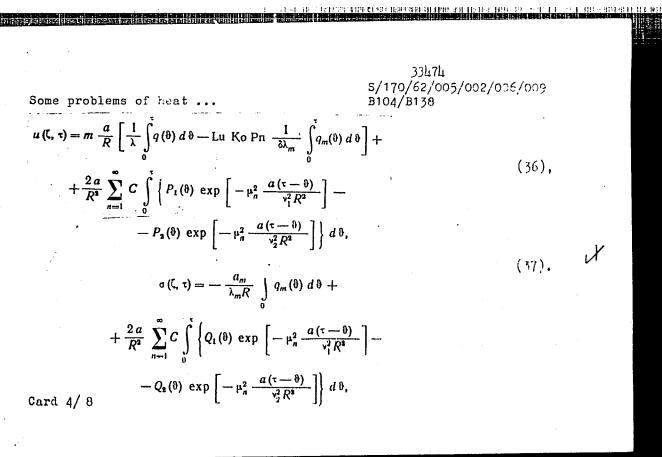
$$v = \frac{m}{R^{m}} \int_{0}^{R} f_{1}(\zeta) \zeta^{m-1} d\zeta -$$

$$-\frac{1}{v_{1}^{2} - v_{2}^{2}} \left\{ \sum_{n=1}^{\infty} A_{2} \exp\left(-\mu_{n}^{2} \frac{F_{0}}{v_{1}^{2}}\right) - \sum_{n=1}^{\infty} A_{1} \exp\left(-\mu_{n}^{2} \frac{F_{0}}{v_{2}^{2}}\right) \right\},$$

$$x = \frac{m}{R^{m}} \int_{0}^{R} f_{2}(\zeta) \zeta^{m-1} d\zeta -$$

$$-\frac{1}{v_{1}^{2} - v_{2}^{2}} \left\{ \sum_{n=1}^{\infty} B_{2} \exp\left(-\mu_{n}^{2} \frac{F_{0}}{v_{1}^{2}}\right) - \sum_{n=1}^{\infty} B_{1} \exp\left(-\mu_{n}^{2} \frac{F_{0}}{v_{2}^{2}}\right) \right\}.$$
(25),

Card 3/8



33l₁7l₄ \$/170/62/005/002/006/009 B104/B138

Some problems of heat ...

The coefficients contained therein are listed in tables. These general solutions are discussed and a number of particular solutions are presented for cases where the boundary functions of heat and mass transport are given in the form of polynomials, exponential and sine functions. There are 2 tables and 5 references: 4 Soviet and 1 non-Soviet.

ASSOCIATION: Kalininskiy torfyanoy institut, g. Moskva (Kalinin Peat

Institute, Moscow)

SUBMITTED: May 29, 1961

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Card 5/8

1,2079

S/170/62/005/011/004/008 B104/B102

5.4210

AUTHOR:

Gamayunov, N. I.

TITLE:

Some problems of heat and mass transfer

PERIODICAL:

Inzhenerno-fizicheskiy zhurnal, v. 5, no. 11, 1962, 74 - 86

TEXT: For heat and mass transer in a bounded body, general solutions are derived from

 $\frac{\partial t\left(\xi,\tau\right)}{\partial \tau} = a \, \nabla^2 t\left(\xi,\tau\right) + \frac{z\rho \, c_m}{c} \, \frac{\partial b\left(\xi,\tau\right)}{\partial \tau} \, . \tag{1}$

 $\frac{\partial \theta(\xi,\tau)}{\partial \tau} = a_m \nabla^2 \theta(\xi,\tau) + a_m \delta \nabla^2 t(\xi,\tau),$ $\frac{\partial \theta(\xi,\tau)}{\partial \tau} = a_m \nabla^2 \theta(\xi,\tau) + a_m \delta \nabla^2 t(\xi,\tau).$ (2)

 $\nabla^2 = \frac{\partial}{\partial \xi} + \frac{m-1}{\xi} \frac{\partial}{\partial \xi}.$

and particular solutions are obtained for a plate, a cylinder and a sphere. This system is solved under generalized boundary conditions of the third kind $Card\ 1/4$

\$/170/62/005/011/004/006 B104/B102

Some problems of heat ...

$$-\lambda \frac{\partial t(R,\tau)}{\partial \xi} + \alpha \left[t_c(\tau) - t(R,\tau) \right] - (1-\epsilon) \mu a_m \left[b(R,\tau) - b_c(\tau) \right] + \alpha \left[t_c(\tau) - t(R,\tau) \right] - (1-\epsilon) \mu a_m \left[b(R,\tau) - b_c(\tau) \right] + \alpha \left[t_c(\tau) - t(R,\tau) \right] - (1-\epsilon) \mu a_m \left[b(R,\tau) - b_c(\tau) \right] + \alpha \left[t_c(\tau) - t(R,\tau) \right] - (1-\epsilon) \mu a_m \left[b(R,\tau) - b_c(\tau) \right] + \alpha \left[t_c(\tau) - t(R,\tau) \right] - (1-\epsilon) \mu a_m \left[b(R,\tau) - b_c(\tau) \right] + \alpha \left[t_c(\tau) - t(R,\tau) \right] - (1-\epsilon) \mu a_m \left[b(R,\tau) - b_c(\tau) \right] + \alpha \left[t_c(\tau) - t(R,\tau) \right] - (1-\epsilon) \mu a_m \left[b(R,\tau) - b_c(\tau) \right] + \alpha \left[t_c(\tau) - t(R,\tau) \right] - (1-\epsilon) \mu a_m \left[b(R,\tau) - b_c(\tau) \right] + \alpha \left[t_c(\tau) - t(R,\tau) \right] - (1-\epsilon) \mu a_m \left[b(R,\tau) - b_c(\tau) \right] + \alpha \left[t_c(\tau) - t(R,\tau) \right] - (1-\epsilon) \mu a_m \left[b(R,\tau) - b_c(\tau) \right] + \alpha \left[t_c(\tau) - t(R,\tau) \right] - (1-\epsilon) \mu a_m \left[b(R,\tau) - b_c(\tau) \right] + \alpha \left[t_c(\tau) - t(R,\tau) \right] - (1-\epsilon) \mu a_m \left[b(R,\tau) - b_c(\tau) \right] + \alpha \left[t_c(\tau) - t(R,\tau) \right] - (1-\epsilon) \mu a_m \left[t_c(\tau) - t(R,\tau) \right] + \alpha \left[t_c(\tau) - t(R,\tau) \right] - (1-\epsilon) \mu a_m \left[t_c(\tau) - t(R,\tau) \right] + \alpha \left[t_c(\tau) - t(R,\tau) \right] - (1-\epsilon) \mu a_m \left[t_c(\tau) - t(R,\tau) \right] + \alpha \left[t_c(\tau) - t(R,\tau) \right] - (1-\epsilon) \mu a_m \left[t_c(\tau) - t(R,\tau) \right] + \alpha \left[t_c(\tau) - t(R,\tau) \right] - (1-\epsilon) \mu a_m \left[t_c(\tau) - t(R,\tau) \right] + \alpha \left[t$$

$$\lambda_{m} \frac{\partial \theta(R,\tau)}{\partial \xi} + \lambda_{m} \delta \frac{\partial t(R,\tau)}{\partial \xi} + a_{m} \left[\theta(R,\tau) - \theta_{c}(\tau)\right] = 0; \qquad (4),$$

under the symmetry conditions $\frac{\partial t(0,\tau)}{\partial \xi} = \frac{\partial \theta(0,\tau)}{\partial \xi} = 0$

$$\frac{\partial t(0,\tau)}{\partial \dot{z}} = \frac{\partial \theta(0,\tau)}{\partial \dot{z}} = 0$$

(5), and under the

initial conditions

 $I(\xi,0) = f_1(\xi), \ \theta(\xi,0) = f_2(\xi).$ (6). As in a previous

paper (N. I. Gamayunov, IFZh, no. 2, 1962) two systems of the form (1)-(2) are obtained by the substitution t = v + u, $\theta = u + \sigma$. In the first system v and smust satisfy the conditions (5)-(6) and $v(R, r) = \omega(R, r)=0$; in the second system u and smust satisfy the conditions (3)-(5) and

 $u(\frac{1}{2},0) = \sigma(\frac{1}{2},0) = 0$. The solution

$$v = \frac{1}{v_2^2 - v_1^2} \left\{ \sum_{\mu_n^2 = 1}^{\infty} A_2 \exp\left(-\mu_n^2 v_2^2 \operatorname{Fo}_m\right) - \sum_{\mu_n = 1}^{\infty} A_1 \exp\left(-\mu_n^2 v_1^2 \operatorname{Fo}_m\right) \right\}, 10 \right\}$$

Card 2/4

DESCRIPTION OF THE PROPERTY OF TH

Some problems of heat ... $\frac{S/170/62/005/011/004/008}{B104/B102}$ $\omega = \frac{1}{v_2^2 - v_1^2} \left\{ \sum_{\mu_n = 1}^{\infty} B_2 \exp\left(-\mu_n^2 v_2^2 F_{0_m}\right) - \sum_{\mu_n = 1}^{\infty} B_1 \exp\left(-\mu_n^2 v_1^2 F_{0_m}\right) \right\}, \quad (11)$

to the first system is obtained easily by Laplace, Fourier or Hankel trans-

$$u = 2 \sum_{n=1}^{\infty} \left\{ (P_{n2}L_{n1} - P_{n1}L_{n2}) \frac{\mu_n}{\psi_n} \frac{a}{R^2} \int_0^1 \ell_c(\theta) \exp\left[-\mu_n^2 \frac{a}{R^2} (z-\theta)\right] d\theta - \frac{Fe}{\delta} \left(S_{n2}L_{n1} - S_{n1}L_{n2}\right) \frac{\mu_n}{\psi_n} \frac{a}{R^2} \int_0^1 \theta_c(\theta) \exp\left[-\mu_n^2 \frac{a}{R^2} (z-\theta)\right] d\theta \right\},$$

$$z = 2 \sum_{n=1}^{\infty} \left\{ (P_{n2}^*L_{n1} - P_{n1}^*L_{n2}) \frac{\mu_n}{\psi_n} \frac{\partial}{\partial \theta} \frac{a}{R^2} \right\} \int_0^1 \ell_c(\theta) \times \frac{1}{2} \left(P_{n2}^*L_{n1} - P_{n1}^*L_{n2}\right) \frac{\mu_n}{\psi_n} \frac{\partial}{\partial \theta} \frac{a}{R^2} \right\}$$

$$(12)$$

Card 3/4 $\times \exp \left[-\mu_n^2 \frac{a}{R^2} (\tau - \theta)\right] d\theta - \frac{Fe}{\delta} \left(S_{n2}^* L_{n1} - S_{n1}^* L_{n2}\right) \frac{\mu_n}{\gamma_n} \frac{a}{R^2} \times$

Some problems of heat ... S/170/62/005/011/004/008 B104/B102

$$\times \int_{0}^{\tau} \theta_{c}(\theta) \exp \left[-\mu_{A}^{2} \frac{a}{R^{2}}(\tau - \theta)\right] d\theta \bigg]. \tag{13}$$

to the second system is obtained by a Laplace integral transformation. The general solution of system (1) is a sum of the solutions (10) and (12); that of system (2) is a sum of the solutions (11) and (13). Special solutions are discussed for the case that temperature and potential of the external medium are given by $t_c = t_{0c} e^{-i_1 \tau} \cos(\omega_1 \tau + \varphi_1)$, $\theta_c = \theta_{0c} e^{-i_2 \tau} \cos(\omega_2 \tau + \varphi_2)$. that temperature and potential of the medium change exponentially, and that

$$t_c(\tau) = z_0 + a_1 \tau + a_2 \tau^2 + \dots + a_h \tau^h = \sum_{m=0}^h a_m \tau^m , \qquad (17).$$

There are 6 tables.

||対抗||対を

$$\theta_c(\tau) = \beta_0 + \beta_1 \tau + \beta_2 \tau^2 + ... + \beta_1 \tau^1 = \sum_{m=0}^{l} \beta_m \tau^m$$

ASSOCIATION: Torfyanoy institut, g. Kalinin (Peat Institute, Kalinin)

January 3, 1962 Card 4/4

GAMAYUNOV, N. I.

A new method for complex determination of the coefficients of heat transfer and mass transfer and of the criterion of phase transformation. Teplo- i massoper. 1:86-93 '62. (MIRA 16:1)

1. Kalininskiy torfyanoy institut.

(Peat-Thermal properties) (Peat-Testing)

CAMAYUNOV, N.I. (Kalinin); SHERZHUKOV, B.S. (Kalinin)

Reduction of piezometeic pressures in aquifers underlying soils to be drained. PMFF no.1:137-142 Ja-F *62. (MTRA 15:4)

1. Kalininskiy torfyanoy institut. (Soil percolation) (Drainage)

VOLAROVICH, M.P., doktor fiziko-matematicheskikh nauk; CAMAYUNUW, N.L., kand. tekhn. nauk; CHURAYEV, N.V., kand. tekhn. nauk

Using radioactive indicators for studying the moisture characteristics, structure, and moisture movement in peat.

Trudy VNIIGIM 38:97-115 '62. (MIRA 16:7)

1.Kalininskiy torfyanoy institut.

(Peat—Testing) (Radioactive tracers)

GAMAYUNOV, N.

Fift All-Union Conference on the Colloid Chemistry. Torf. prom. 39 no.6:37-38 '62. (MIRA 16:7)

(Peat) (Chemistry, Physical and theoretical)

S/170/63/006/002/016/018 B108/B186

AUTHOR:

Gamayunov, N. I.

TITLE:

Heat and mass transfer in anisotropic bodies

PERIODICAL:

Inzhenerno-fizicheskiy zhurnal, v. 6, no. 2, 1963, 118-121

TEXT: The equations of heat and mass exchange (A. V. Dykov. Teplo- i massoobmen v protsessakh sushki - Heat and mass exchange in drying processes - . Gosenergoizdat, 1956; A. V. Dykov, Yu. A. Mikhaylov. Teoriya perenosa energii i veshchestv - Theory of energy and mass transfer -. Izd. AN BSSR, 1959):

 $\frac{\partial t}{\partial \tau} = \sum_{l=1}^{3} C_l \frac{\partial^2 l}{\partial x_i^2} + \sum_{l=1}^{3} D_l \frac{\partial^2 b}{\partial x_i^2} , \qquad (1)$

 $\frac{\partial \theta}{\partial \tau} = \sum_{l=1}^{3} C_{l}^{*} \frac{\partial^{2} l}{\partial x_{l}^{2}} + \sum_{l=1}^{3} D_{l}^{*} \frac{\partial^{2} \theta}{\partial x_{l}^{2}} , \qquad (2)$

with

 $C_{l} = a_{l} + \frac{\rho z \delta_{l} a_{ml}}{c}; \ D_{l} = \frac{e \rho \ a_{ml} c_{m}}{c}; \ C_{l}^{*} = \frac{\delta_{l} a_{ml}}{c_{m}}; \ D_{l}^{*} = a_{ml}.$

Card 1/3

Heat and mass transfer in ...

S/170/63/006/002/016/018 B108/B186

for anisotropic, porous, colloidal bodies are solved for a parallelepiped (21, by 21, by 21,) with the boundary conditions

$$t(x_1, x_2, x_3, 0) = f_1(x_1, x_2, x_3), \theta(x_1, x_2, x_3, 0) = (3)$$

$$= f_2(x_1, x_2, x_3),$$

$$t(l_l, \tau) = \varphi_l(\tau), \ \theta(l_l, \tau) = \psi_l(\tau) \tag{4}$$

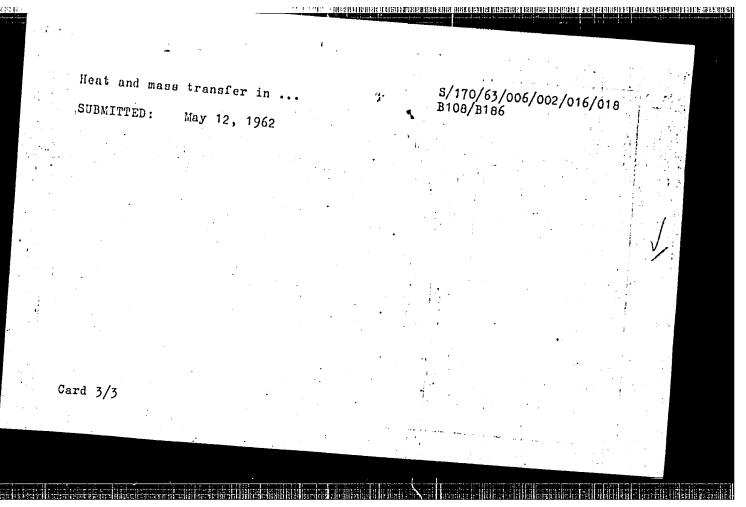
and the symmetry conditions

$$\frac{\partial t(0, \tau)}{\partial x_i} = 0, \quad \frac{\partial \theta(0, \tau)}{\partial x_i} = 0. \tag{5}$$

The characteristic equations are found by subjecting the above equations and conditions to an integral Laplace transformation with respect to time, and to a finite Laplace transformation or to a Fourier cosine transformation (A. I. Sneddon. Fourier transformations, 1955) with respect to the three coordinates x_i .

ASSOCIATION: Kalininskiy torfyanoy institut, g. Moskva (Kalinin Institute of Peat, Moscow)

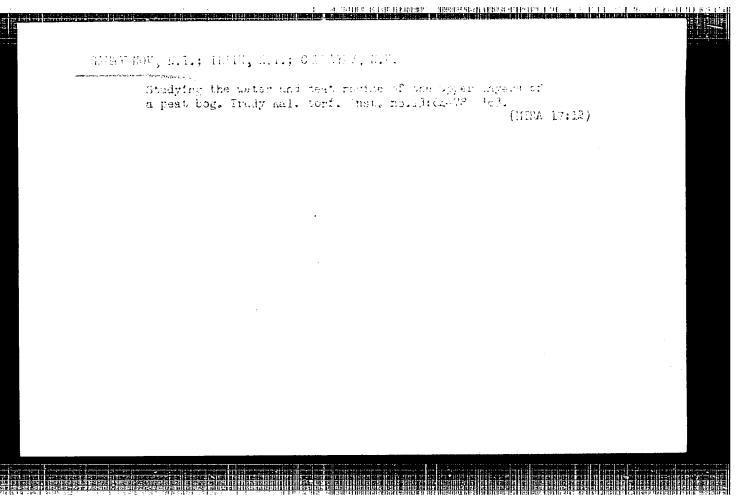
Card 2/3



NAUMOVICH, V.M.; GAMAYUNOV, N.I.; TSEPLYAYEV, O.A.

Hot pressing of peat under vacuum. Inzh.-fiz. zhur. no.12:
107-110 D '63. (MIRA 17:2)

1. Torfyanoy institut, Kalinin.



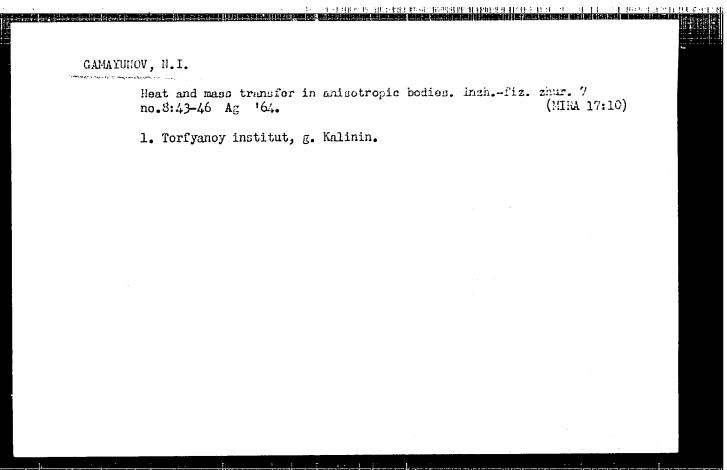
(MIRA 17:4)

VOLAROVICH, M.P.; GAMAYUNOV, N.I.; DAVIDOVSKIY, P.N.

Study of the diffusion process in a porous medium (peat) by the radioactive-tracer technique. Koll.zhur. 26 no.1:139-140 Ja-F

164.

1. Kalininskiy torfyanoy institut i Institut torfa, Minsk.



GAMAYUNOV, N. I.

"Solution of transfer equations by matrices."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12

May 1964.

Kalinin Peat Inst.

GAMAYUNOV, N. I.; LISHTVAN, I. I.; CHURAYEV, N. V.

"Processes of structural change with heat and mass transfer in collodial capillary-porous bodies."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12 May 1964.

Kalinin Peat Inst

	leave to on the calc latter of the hydrogeological parameters of mater-benring layers then sampling them sates a sea hole.					
	Try. vps. reheb. in .; reol. I rary 7 no.5:105-112 ly tel. (Fig. 18:3)					
	1. Kalining at ter					
		•				

DOLINGKAYA, E.S.; GAMAYUNOV, N.I.; BERKOVICH, T.M.

Using radioisotopes for examining the thermal gradient transfer of moisture in the "raw" asbestos cement. Trudy NIIAsbestusementa no.19:80-95 '65.

(MIRA 18:9)

VOLAROVICH, M.P.; GAMAYLAOV, N.I.; DAVIDOVEKIY, P.N.

Gamma-spectroscopic kinetic study of the heat and moisture con-

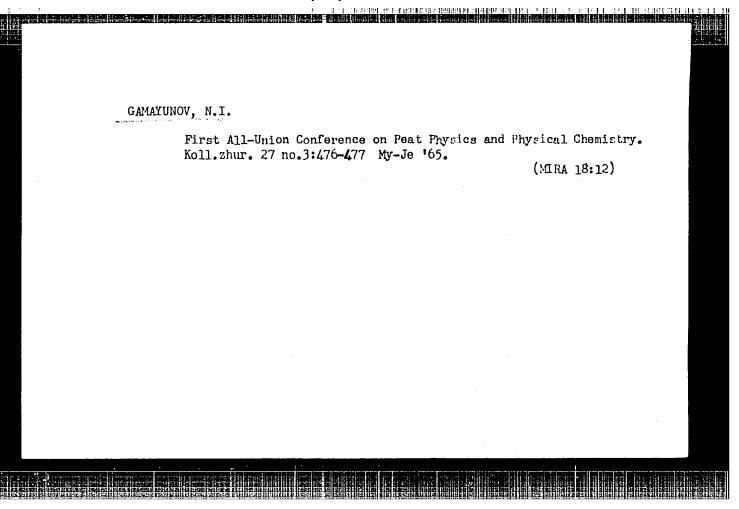
Gamma-spectroscopic kinetic study of the heat and morstude out ductivity of disterse materials. Koll. zhur. 27 nc.1:3-7 Ja-F (MIRA 18:3)

1. Kalininskiy torfyanoy institut i Vsesoyuznyy nauchno-issledovatel'skiy institut torfa, Monsk.

VOLAROVICH, M.I., TAVIDOVSKIY, P.M.; SAMAYUNOV, N.I.

Effect of the moisture content and structure on the mechanism of heat and moisture transfer in peat. Koll. 2hur. 27 no.2: 167-171 Mr-Ap 165. (MIRA 1846)

1. Kalininskiy torfyanoy institut i Vsesoyuznyy nauchmo-issledovateliskiy institut torfa, Minsk.



Votativics, Nev., Cartinov, Nev., Polythichevi, A.S., Colorett, C.I.

Redicactive tracer study of the mechanism of diging of disperse materials in the process of moisture exchange with the underlying soil. Kell. zhur. 27 no.4:505.509 Jl-6g '65. (Vike 18:12)

1. Kalininskiy terfyanoy irstitut. Subalines February 20, 1961.

CIA-RDP86-00513R000614210008-9 "APPROVED FOR RELEASE: 09/17/2001

<u>34086-66</u> SOURCE CODE: UR/0069/66/028/002/0191/0197 ACC NRI AP6025521 Bulychev, V. G.; Gamayunov, N. I.; Tseplyayev, O. A. ORG: Kalinin Polytechnic Institute (Kalininskiy politekhnicheskiy institut) TITLE: Role of air in the pressing of hydrophilic powlered fuel SOURCE: Kolloidnyy zhurnal, v. 28, no. 2, 1966, 191-197 TOPIC TAGS: solid fuel, vacuum technique, adsorption, air, pressure effect ABSTRACT: Two successive processes develop in the vacuum pressing of peat dessicate -- strongthening of briquettes through decreased adsorption of air as the vacuum becomes higher, and drop in briquette strength due to entry of atmospheric air into the vacuum press mold. The optimal vacuum is determined by these processes and is due to intensity of strengthening and sorptional decrease in strength, which for their part depend on the briquette material and pressing conditions. Consequently, the optimal vacuum depends on the same factors as does the mechanical strength of briquettes. Air sorbed on solid and quasi-solid peat components is a deleterious agent in briquetting and must be eliminated. Achieving a vacuum of the order of 4 . 10-4 normal atmosphere/meter2 in the pressing chamber results in up to 60% increase in mechanical strength of briquettes. When there is equal. strength in vacuumed and ordinary briquettes, pressure can be reduced by approximately one-half or the pressing time can be cut down to one-fifth one-eighth. Orig. art. has: 5 figures. [JRS: SUB CODS: 21, 13, 07 / SUBM DATE: 29Jan65 ORIG REF

> CIA-RDP86-00513R000614210008-9" **APPROVED FOR RELEASE: 09/17/2001**

GAMATUNOV, R.

Forthcoming valuation of fixed assets and working out new schedules for amortization deductions. Mor. flot 19 no.2:18-19 F '59.

(MIRA 12:3)

1.Nachal'nik sektor TSentral'nogo proyektno-konstruktorskogo byuro No.2.

(Merchant marine--Finance)

MOVIKOV. T.N.; YELTSOV, S.P., red.; GAMATUMOV. R.G., red.; YAKOVLEVA, V.I., red.izd-va; TIXHOMOVA, Ye.A., tekhn.red.

[Collections of laws and regulations governing safety and industrial sanitation for the merchant marine] Sbornik pravil i polosbenif po tekhnike bezopsnosti i promyshlennoi sanitarii na morakom flote. Sostavil T.N.Novikov. Moskva, Izd-vo "Morakoi transport," 1957. 620 p. (MIRA 11:5)

1. Russia (1923- U.S.S.R.) Ministerstvo morskogo flota. (Ships--Safety measures) (Ships--Sanitation)

ŗ Boresbry. Forest Cultures. . S. COUPA - Ter Com +Brologlya, No. 5 , 1759, vi. 20168 : Fortunator, V.; Sadashava, G.; Gemayanov, V.; anthra: : Ur imsk Leskhoz : An Experiment Made by Ufimek Lesliboz for Afforestation of Mountain Slopes. ORIG. PO9.: S. kh. Bashkirii, 1957, No.11, 29-31 ABSTRACT: The mountains of Ulimsk Leskhoz were formerly , covered with a broadleaf wood containing a large participation of oak. On soils everlying manth, and Limestones, containing a humes layer to to 10-50 on deep, one began in 1950 to plant forest cultures using various statues on the deforested slopes. The main species used were pane, larch, oak, spruce, ash and poplar. It is pointed out that when the root collars were implanted 4-6 cm deeper the plans * Herbyrin, M. 1/2 CARD : 49

CHTEGONY : ABS. JOUR: ROT Zhux -Biolognya, No. 5, 1959, No. 20168 ASTHOR : INST: : d $C\lambda TLC$ JRIG. PEB., ABSTRACT: Lings survived better. On southern sountein ; alopus with concavities up to 60° in atsephess, terracing was performed. It was found that when pine was mixed with ash, birch and acadis in pure rows it grew better than when in the same mixture with ash and acacia. Larch grew quite successfully in sixture with pure rows of ash, linden and acacia. Satisfactory results were gotten upon planting oak in admixture with ash, alm and acacia. -- G.G. Abramashvili 2/2 CARD:

L 47447-66 EWT(1)

ACC NR: AT6014618

SOURCE CODE: UR/3203/64/000/227/0149/0154

AUTHOR: Gamayunov, V. I. (Engineer)

II DTI

ORG: none

TITLE:

Do converter with power amplifier

SOURCE: Leningrad. Institut inzhenerov zheleznodorozhnogo transporta. Sbornik trudov, no. 227, 1964. Elektrosnabzheniyo elektricheskikh zheleznykh dorog (Power supply for electric railroads), 149-154

TOPIC TAGE: direct current, electronic transformer, power amplifier, transistorized circuit

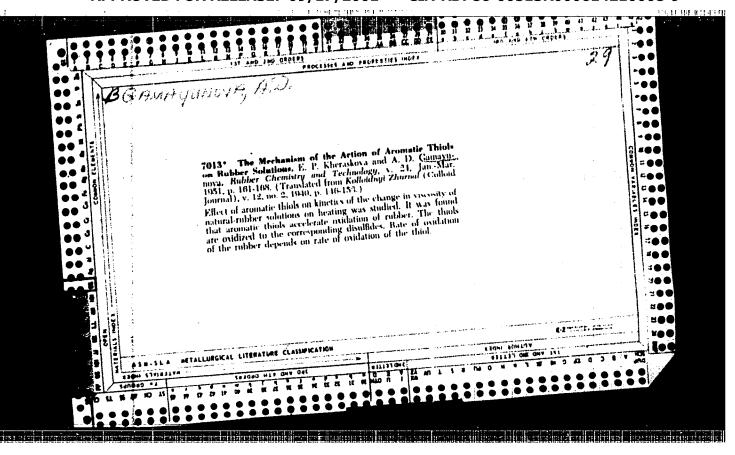
ABSTRACT: A dc converter with a power amplifier is described from the point of view of its application to traction substations. A schematic of the device is given, which consists of a push-pull converter (autogenerator) circuit, a transformer, the amplifier input circuit, an output transformer, a rectifier circuit, and a ripple filter. Calculations are given for the power amplifier transformer and the power transistors. An experimental model of the device was built and tested at the laboratory of "Electrical Equipment for Electric Railroads" department of LIIZhT (Kafedra "Elektrosnabzheniye elektricheskikh zheleznykh dorog" LIIZhT). With a supply voltage of 12 v and an output voltage of 110 v the device delivers 440 wt continuous power. To the pulsed mode an output current of 25--30 a can be obtained. Orig. ark has: 16 equations and 3 figures. ORIG REF: 003 mis

GAMAYUNOV, V.I., inzh.

Distance-type a.c. contact network detector protection.
[Trudy] LIIZHT no.193:236-243 162. (MIRA 15:12)

1. Leningradskiy institut inzhenerov zheleznodorozhnogo transporta.

(Electric railroads—Wires and wiring)



GAMAYUNOVA, A.P.; MOVIKOVA, A.G.

Resistance to oil of the bonding with the 88-N adhesive.
Kauch. i rez. 22 no.12:36-39 D '63. (MIRA 17:9)

1. Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti.

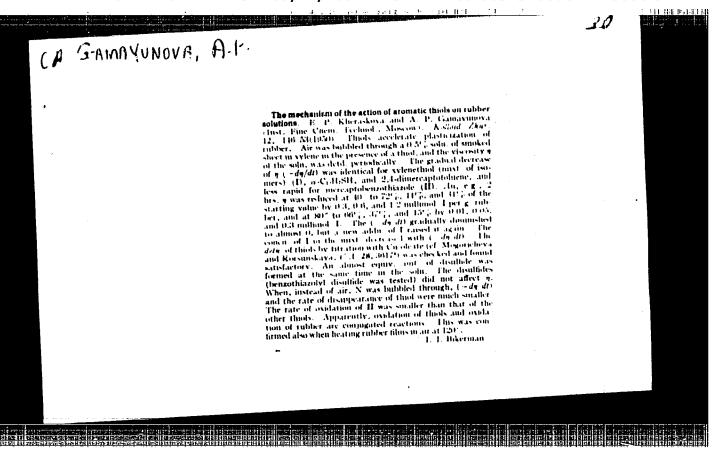
CAMAYUNOVA, A. P. Cond. Tech. Sci.

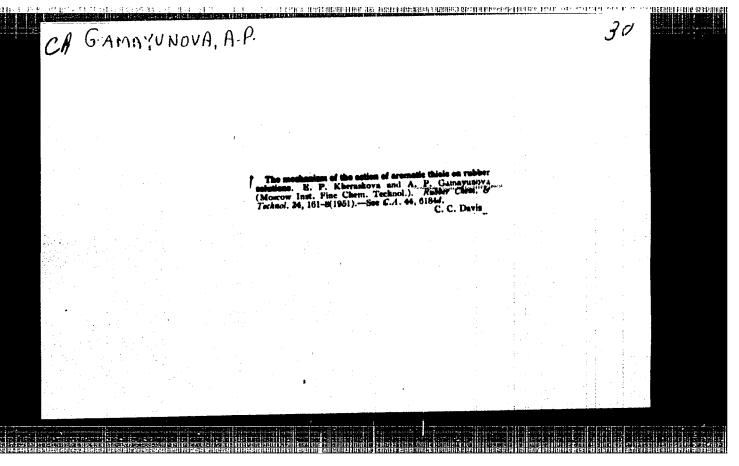
Dissertation: "Chemical Mastication of Natural Rubber with the Aid of Aromatic Mercaptans." Moscow Inst of Fine Chemical Technology imeni M.V. Lomonoscv, 19 May 17.

S0: Vechernyaya Moskva, May, 1947 (Project #17836)

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SO: U-3042, 11 March 53, (Letopis 'nykh States, No. 9, 1949)

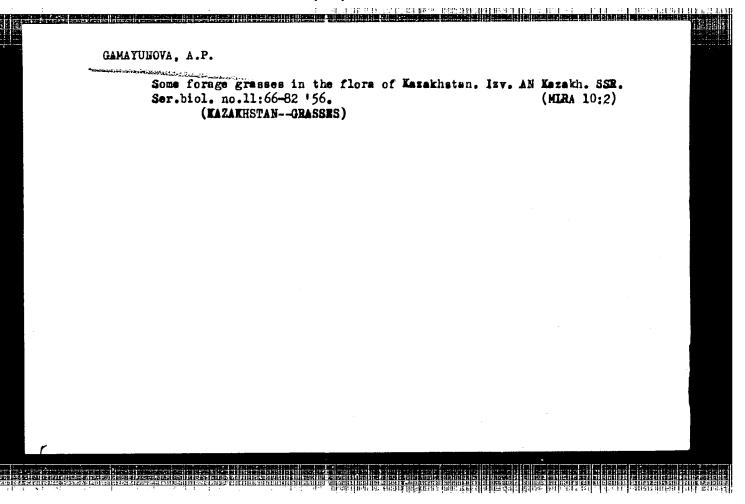




GAMAYUNOVA, A.P.; DOBROKHOTOVA, K.V.; KUZHETSOV, N.M. [deceased]; PAVLOV, N.V.; POLYAKOV, P.P.; SUVOROVA, R.I., redaktor; ALFEROVA, P.F., tekhnicheskiy redaktor

[Flora of Kazakhstan] Flora Kazakhstana. Glav. red. N.V.Pavlov. Sost. A.P.Gamaiunova, i dr. Alma-Ata. Vol.1. 1956. 352 p.
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- 1. Akademiya nauk Kazakhskoy SSR. Alma-Ata. Institut botaniki.
- 2. Deystvitel'nyy chlen AN KazSSR (for Pavlov)
 (Kazakhstan-Botany)



GAMAYUNOVA, A.P.

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1. Institut botaniki AN KarSSR, Alma-Ata. (Chayan District--Wormwood)

HAYTENOV, M.B.; BYKOV, B.A.; VASIL'TEVA, A.N.; GAMATUNOVA, A.P.;
GOLOSKOKOV, V.P., kend, biolog, neuk; DOEROKHOTOVA, K.V.;
KORNILOVA, V.S.; FISTUN, V.V.; PATIOV, N.V., ekademik, glavnyy
red.; KUBANSKAYA, Z.V., kend, biolog, neuk; SUVOROVA, R.I.,
red.; ALFEROVA, P.F., tekhn.red.

[Flore of Kazakhstan] Flore Kazakhstana. Glav.red. N.V.Pavlov.
Sost. M.B. Beitenov i dr. Alme-Ata, Izd-vo Akad.neuk Kezakhskoi
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1. AN Kazakhskoy SSR (for Pavlov). 2. Chlen-korrespondent
AN KazSSR (for Bykov).
(Kazakhstan--Botany)

BAYTENOV, M.S.; VASIL'YEVA, A.N.; GAMAYUNOVA, A.P.; GOLOSKOKOV, V.P.; ORAZOVA, A.; ROLDUGIN, I.I.; SEMIOTROCHEVA, N.L.; FISYUN, V.V.; TEREKHOVA, V.I.; PAVLOV, N.V., akademik, glav. red.; BYKOV, B.A., red.; GOLOSKOKOV, V.P., kand. biolog. nauk, red.; KUBANSKAYA, Z.V., kand. biolog. nauk, red.; SUVOROVA, R.I., red.; ALFEROVA, P.F., tekhn. red.

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(Kazakhstan-Leguminosae)

VASIL'YEVA, A.N.; GAMAYUNOVA, A.P.; GOLOSKOKOV, V.P., kand. biol. nauk; ORAZOVA, A.; ROLDUGIN, I.I.; SEMIOTROCHEVA, N.L.; FISYUN, V.V.; MENZHULINA, N.A., red.; ALFEROVA, P.F., tekhn. red.

[Illustrated guide to plants of the family Leguminosae of Kazakhstan] Illiustrirovannyi opredelitel' rastenii semeistva bobovykh Kazakhstana. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 357 p. (MILA 15:6)

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VASIL'YEVA, A.N.; GAMAYUNCVA, A.P.; GOLOSKOKOV, V.P., kand. biol. nauk; KARMYSHEVA, N.Kh.; KOROVIN, Ye.P.; OBRAZOVA, A.; ROLDUGIN, I.I.; SEMIOTROCHEVA, N.L.; FISYUN, V.V.; PAVLOV, N.V., akademik, glav. red.; SUVOROVA, R.I., red.; ALFEROVA, P.F., tekhn. red.

[Flora of Kazakhstan] Flora Kazakhstana. Glav. red. N.V. Pavlov. Sost. A.N. Vasil'eva i dr. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR. Vol.6. 1963. 462 p. (MIRA 16:6)

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VASIL'YEVA, A.N.; GAMAYUNOVA, A.P.; GOLOSKOKOV, V.P., kand.
biol. nauk; IMITRIYEVA, A.A.; KARHYSHEVA, N.Kh.;
KUBANSKAYA, Z.V., kand. biol. nauk; OHAZOVA, '.; PAVLOV,
N.V., akademik; ROLDUGIN, I.I.; SEMIOTROVKHEVA, N.L.;
TEREKHOVA, V.I.; FISYUN, V.V.; TSAGOLOVA, V.G.; SUVOHOVA,
R.I., red.; IVANOVA, E.I., red.; BYKOV, B.A., red.

[Flora c' Kazakhstan] Flora Kazakhstana. Glav. red. N.V. Pavlov. Jost. A.N.Vasil'yeva i dr. Alma-Ata, Izd-vo AN Kazakh. SSR. Vol.7. 1964. 494 p. (MIRA 17:6)

1. Akademiya nauk Kaz.SSR (for Pavlov). 2. Chlen-korrespondent AN KazSSR (for Bykov).

VASIL'YEVA, A.N.: GAMAYUNOVA, A.P.; DMITRIYEVA, A.A.; GOLOSKOV, V.P., kand. biol. nauk; ZAYTSEVA, L.G.; KAHMYSHEVA, N.Kh. ORAZOVA, A.; PAVLOV, N.V., akademik; ROLDUGIN, I.I.; SEMICTROCHEVA, N.L.; TEREKHOVA, V.I.; FISYUN, V.V.; TSAGALOVA, V.G.; SUVOROVA, R.I., red.

[Flora of Kazakhstan] Flora Kazakhstana. Glav. red. N.V. Pavlev. Alma-Ata, Nauka. Vol.8. 1965. 444 p. (MIRA 18:5)

1. Akademiya nauk Kaz.SSR (for Pavlov).

OKANENKO, A.S.; BERSHTEYN, B.I.; POCHINOK, Kh.N.; GAMAYUDOVA, M.S.

Characteristics of biochemical processes occurring during "Gothic" degeneration of potatoes. Biokhim. pl. i ovoshch. no.4:164-182

degeneration of potatoes. Blokhim. pl. 1 ovosnon. no.2:104-102 *58. (MIRA 11:10)

1. Institut fiziologii rasteniy i agrokhimii AN USSR, (Potatoes--Diseases and pests)

S/081/61/000/017/027/166 B102/B138

AUTHORS: Ostrovskaya, L. K., Yakovenko, G. M., Gamayunova, M. S.

TITLE: Complex inadequacy of microelements in lime soils

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 17, 1961, 106, abstract

17792 (Tr. Biogeokhim. labor. In-t geokhimii i analit. khimii

AN SSSR, v. 11, 1960, 92 - 101)

TEXT: Excess quantities of lime in the soil not only reduce the mobility of Fe but also of many other microelements (Co, Mn, Zn, Cu, B). This is due to the increased pH value of these soils, to the adsorptive action of CaCO₃ particles and, probably, also to the effect of CaCO₃ on the solubility and stability of chelate compounds of these elements. In this kind of soil there is a distinct shortage of Fe and Cu accessible to plant life. This is, of course, due to the very high stability of the chelate type of organocomplexes of these elements. Abstracter's note: Complete translation.

Card 1/1

BORTSOVA, M.P.; GAPAYUROVA, P.B.; POPLAVSKAYA, A.V.; SHPICHKO, M.P.;
PAVIOV, G.D.; PODUNOVA, A.T.; LOVA, N.I.; ALEKSAIDROVA, R.P.;
ATARIKOV, A.G.; VOROB'TEVA, Ye.I.; GAN'YANTS, E.M.; OELLER, D.Ta.;
PARSHINA, M.A.; FILINA, R.A.; CHUVRLYAYEVA, Ye.S.

Selecting demulsifiers for crude oils processed in Groznyl refineries.
Trudy GrozNII no.4:17-26 '59. (MIRA 12:9)

1.Groznenskiy neftyanoy nauchno-issledovatel'skiy institut (GrozNII)
(for Pavlov, Podunova, Lova).
(Groznyi--Petroleum--Refining)

MAGGRET, AJ

AUTHOR:

GAMAYUROV, A.I., NEYASOV, A.G.

PA - 2373

TITLE:

Fluxed Sinter with Increased Magnesia Content. (Oflyusovannyy aglomerat s povyshennym soderzhaniyem magnezii, Russian).

Stal', 1957, Vol 17, Nr 1, pp 20 - 24, (U.S.S.R.). PERIODICAL:

Received: 5 / 1957

Reviewed: 5 / 1957.

ABSTRACT:

It was the purpose of the present work to examine the proposals made by A.G. Neyasov for the increase of the magnesia content in the agglomerate for improving their strength and their reducibility. Agglomeration (sintering) tests are described. The mixing of the charge layer, the method of charging the bucket, and igniting the layer were investigated. It was found that the quality of agglomerates with additional charges (fluxes) depends in many respects on the magnesia content. in order to increase the constancy of the properties of the agglomerate obtained it is advisable to keep the following conditions on a constant level in the agglomerate layer: (CaO + MgO): (SiO₂ + Al₂O₃) and MgO: (CaO + MgO) or CaO: SiO₂ and MgO: (CaO + MgO). In order to increase strength and reducibility, the magnesia content, i.e. the ratio MgO: (CaO +MgO), must be increased. In order to be able to determine the optimum magnesia content in the agglomerate, it is necessary that tests be carried out with a 3 % MgO content and more in the agglomerate. (2 tables and 6 illustrations).

Card 1/2

Fluxed Sinter with Increased Magnesia Content.

PA - 2373

ASSOCIATION: Metallurgical Combine of Magnitogorsk.

PRESENTED BY:

SUBMITTED:

AVAILABLE: Library of Congress.

Card 2/2

VINOGRADOV, V.S., inzh.; AL'TSHULER, M.A., kand. tekhn. nauk; POLYAKOV,

V.G., inzh.; KUROCHKIN, A.N., inzh.; KARMAZIN, V.I., doktor tekhn.

nauk; ZAIKIN, S.A., inzh.; OSTROVSKIY, G.P., inzh.[deceased];

NAUMENKO, P.I., inzh.; BOBRUSHKIN, L.G., inzh.; RUSTAMOV, I.I.,

inzh.; SHIFRIN, I.I., inzh.; GOLOVANOV, G.A., inzh.; KRASOVSKIY,

L.A., inzh.; TSIMBALENKO, L.N., inzh.; RAVIKOVICH, I.M., inzh.;

BAZILEVICH, S.V., kand. tekhn.nauk; ZORIN, I.P., inzh.; ZUBAREV,

S.N., inzh.; TIKHOVIDOV, A.F., inzh.; SHITOV, I.S., inzh.;

GAMAYUROV, A.I., inzh.; KUSEMBAYEV, Kh.N., inzh.; DEKHTYAREV,

S.I., inzh.; VORONOV, I.S., inzh.; BURMIN, G.M., inzh.; BARYSHEV,

V.M., inzh.; GOLOVIN, Yu.P., inzh.; MARCHENKO, K.F., inzh.;

FYCHKOV, L.F., inzh.; NESTERENKO, A.M., inzh.; KABANOV, V.F.,

inzh.; PATRIKEYEV, N.N., inzh.[deceased]; ROSSMIT, A.F., inzh.;

SOSEDOV, O.O., inzh.; POKROVSKIY, M.A., inzh., retsenzent:

POLOTSK, S.M., red.; GOL'DIN, Ya.A., glav. red.; GOLUBYATNIKOVA,G.S.,

red. izd-va; BOLDYREVA, Z.A., tekhn. red.

[Iron mining and ore dressing industry] Zhelezorudnaia promyshlennost. Moskva, Gosgortekhizdat, 1962. 439 p. (MIRA 15:12)

1. Moscow. TSentral'nyy institut informatsii chernoy metallurgii. (Iron mines and mining) (Ore dressing)

RUDNEVA, A.V.; MALYSHEVA, T.Ya.; SOKOLOV, G.A.; GUL'TYAY, I.I.; Prinimali uchastiye: GALATONOV, A.L.; GAMAYUROV, A.I.; BABARYKIN, N.N.; KOSTIN, I.M.

Changes in the material composition of industrial sinter along the cake height. Stal' 22 no.1:5-9 Ja '62. (MIRA 14:12)

1. Institut metallurgii imeni A.A. Baykova (for Rudneva, Malysheva, Sokolov, Gul'tyay). 2. Magnitogorskiy metallurgicheskiy kombinat (for Galatonov, Gamayurov, Babarykin, Kostin). (Sintering)

ZUDIN, V.M.; YAKOBSON, A.P.; KOSTIN, I.M.; GALATONOV, A.L.; GAMAYUROV, A.I.;
TSVERLING, A.L.; MALYSHEVA, T.Ya.; SOKOLOV, G.A.; RUDNEVA, A.V.;
TSYLEV, L.M.; GUL'TYAY, I.I.

Effect of the sintering temperature on the mineralogical composition of sinter and its metallurgical properties. Stal' 23 no.6:481-485 Je '63. (MIRA 16:10)

1. Magnitogorskiy metallurgicheskiy kombinat i Institut metallurgii im. A.A.Baykova.

AUTHOR: Chernokal'skiy, B. D.; Camayurova, V. S.; Kamay, G. Kh.

ORG: Kazan Chemical Technology Institute im. S. M. Kirov (Kazanskiy khimikotokhnologicheskiy institut)

TITLE: Ionization constants of some alkylarsonic acids

SOURCE: Zhurnal obshchey khimii, v. 36, no. 9, 1966, 1677-1679

TOPIC TAGS: ionization constant, alkylarsonic acid, sodium compound, arsenic compound, alkali halide, ionization
ABSTRACT: The acids were prepared by the known reaction of sodium
were determined by potentiometric titration. Values of the
ionization constants are given in the table.

Card 1/2

UDC: 546.19+541.124.7

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NR: AP6031391		_	- F cynthei	sis and	propertie	s		:	
•	Table 1. Conditions of synthesis and properties of alkylarsonic acids								
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		Alkyl	Reaction	m		pK ₁	K ₂	į	
No.	R ·	halide	time	Found	literature data		75	!	
. \		used	1 10	154—155°	159° [4]	4.58	7.82 8.00		i i
1	CHa	CII ₃ J C ₂ II ₅ Br	82 52 82 24	94-95 126-127	95-96 [3] 126-128 [3]	4.48	7.51 8.36		1
2 3	$C_2 II_5$ $CII_2 = CH - CH$ $(CII_3)_2 CH$	C_3H_5Hr $(CH_3)_2CHBr$	56 370 68 51	152-153	153 [1]	4.76	8.18		•
4 5	1 Citto - cort	OHORS	Br 69 180	1180-182	101-100 1	4.43	1	•	•
່າ	$\begin{pmatrix} (CH_3)_2CHCH_2 \\ C_6H_5CH_2 \end{pmatrix}$	CallaCH2CI		l iared ti	o the Taf	t 0*-	constants 21	3 -	;
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